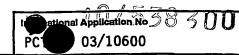
Relevant to claim No.

IMTERNATIONAL SEARCH REPORT





A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C01B31/02 C08K7/24

C08G18/28 C08G18/00

C08K3/04 C08G18/08 C08K9/04 C07C263/06 C08G18/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Category °

Minimum documentation searched (classification system followed by classification symbols)

C08K C08G C07C CO1B IPC 7

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

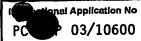
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, CHEM ABS Data

Citation of document, with Indication, where appropriate, of the relevant passages

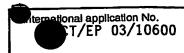
Х	US 6 426 134 B1 (LAVIN JOHN GERAR 30 July 2002 (2002-07-30)	1-3,7, 9-16,28, 44,45,52		
	column 2, line 1 - line 23 column 5, line 27 -column 6, line	24	44,45,52	
P,X	WO 03/038837 A (HYPERION CATALYSI 8 May 2003 (2003-05-08) page 2, line 20 - line 25	S INT)	1-3,7, 9-16,24, 25,28, 44,45,52	
	page 2, Time 20 Time 23 page 9, line 22 -page 10, line 3 page 14, line 2 - line 4 page 14, line 24 - line 25 page 17, line 30 - line 31			
	- -	-/		
X Furt	her documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.	ļ
"A" docume consic filing of the citatio of docume other "P" docume	ent defining the general state of the art which is not lered to be of particular relevance document but published on or after the international state ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filling date but han the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
	actual completion of the international search 2 May 2004	Date of mailing of the international se		
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Marucci, A		:

ETERNATIONAL SEARCH REPORT



		PC 03/10600
C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/161101 A1 (CARROLL DAVID ET AL) 31 October 2002 (2002-10-31)	1,3,7,9, 11-16, 28,44, 45,52
	paragraphs '0022!,'0042!-'0047!,'0051!,'0058!,'0062!	
Α	WO 01/10779 A (HYPERION CATALYSIS INT) 15 February 2001 (2001-02-15)	1,3, 11-16, 28,44, 45,52
	page 3, line 18 - line 19 page 6, line 13 - line 19; examples 3,5; table 1	
A	HIRSCH, ANDREAS: "Functionalization of Single-Walled Carbon Nanotubes" ANGEW. CHEM. INT. ED., vol. 41, no. 11, 3 June 2002 (2002-06-03), pages 1853-1859, XP002241543 cited in the application "Covalent Sidewall Functionalization"	1-6
A	EP 0 716 044 A (NAT SCIENCE COUNCIL) 12 June 1996 (1996-06-12) the whole document	29-52
A	VAN STEEN ERIC ET AL: "Comparison of preparation methods for carbon nanotubes supported iron Fischer-Tropsch catalysts" FISCHER-TROPSCH SYNTHESIS ON THE EVE OF THE XXI CENTURY (CATSA); KRUGER PARK, SOUTH AFRICA NOV 1 2000, vol. 71, no. 3-4, 1 November 2000 (2000-11-01), pages 327-334, XP002280026 Catal Today; Catalysis Today Jan 15 2002 "Experimental"	29,30, 44,45,52





Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sneet)
This inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
з	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box il	Observations where unity of Invention is lacking (Continuation of item 2 of first sheet)
This In	ternational Searching Authority found multiple Inventions in this international application, as follows:
	see additional sheet
1. X	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Rema	The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-28 and partially 44-48 and 52

Method of solubilizing carbon nanotubes comprising the steps of mixing functionalized carbon nanotubes and a monomer molecule (or a precursor of a monomer) and then polymerizing wherein said polymerization occurs at the functional groups on the nanotubes.

Modified carbon nanotubes and an association of carbon nanotubes obtainable by the afore-mentioned process.

2. Claims: 29-43, 49-51 and partially 44-48, 52

Method for solubilizing carbon nanotubes comprising the steps of mixing together carbon nanotubes and urea and heating the mixture. Modified carbon nanotubes and an association of carbon nanotubes obtainable by the afore-mentioned process. Use of the afore-mentioned modified carbon nanotubes.

Use of the afore-mentioned modified carbon nanotubes.

ETERNATIONAL SEARCH REPORT

ation on patent family members

		tional Application No	
PG P 03/10600	PC	P 03/10600	

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6426134	B1	30-07-2002	NONE		
WO 03038837	Α	08-05-2003	WO US	03038837 A1 2003089893 A1	08-05-2003 15-05-2003
US 2002161101	A1	31-10-2002	WO	02076903 A2	03-10-2002
WO 0110779	Α	15-02-2001	US AU Wo	6113819 A 6494900 A 0110779 A1	05-09-2000 05-03-2001 15-02-2001
EP 0716044	A	12-06-1996	JP US EP DE DE	8183830 A 5635581 A 0716044 A1 69417561 D1 69417561 T2	16-07-1996 03-06-1997 12-06-1996 06-05-1999 15-07-1999